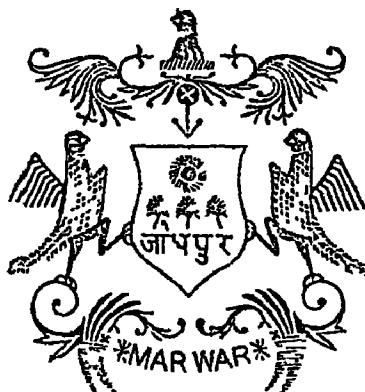




PROGRESS REPORT  
OF  
FOREST ADMINISTRATION

IN JHP



Jodhpur State Rajputana,

FOR THE YEAR 1894-95.

BY

PANDIT GOKAL DAS,

*Superintendent of Forest Department.*

With a Review by Maharaj Dhiraj Col. Sir Pratap Singh, K.C.S.I.,  
Musahib Ala, Marwar State.

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JODHPUR  
PRINTED AT THE "MEP. B. STATE" PRESS.

1895.

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## REVIEW.

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1. *Closing of forests.*—With a view to further develop the Forest conservancy, an important reform was introduced. Sixteen forests covering an area of about 70 square miles were closed to the cutting of green timber—to which the right-holders did not raise any objection.

2. *Forests compensation.*—It was granted to all Jagirdars except Bagri, Jojawar and Kantalia owing to their carelessness in submitting accounts and proofs in support of their extravagant claims.

3. *Area.*—The area under Forest conservancy was increased by 8 square miles as the Ghanerao forests were also placed under the Durbar management. The proposal for the conservation of Jaitaran and Parbatsar forests and the scheme of extending the operation of the Forest Law in Jaswantpura pergana are now receiving the best attention of the Durbar.

4. *Boundaries.*—All the pillars have been white-washed and are being plotted over the village maps by the Settlement department. The exact area of each forest will thereby be easily ascertained and the encroachments will be completely checked.

5. *Breach of Forest Rules.*—The number of offences against forest law is nearly the same as last year. The criminal tribes on the whole were well behaved and the conduct of the Grassius is also improving.

6. *Forest fires.*—There were 10 fire occurrences covering an area of 349 acres, of which 183 acres were burnt on Meywar—Marwar border by a fire which came from Meywar and 166 acres through the carelessness of the Ajnere forest guards.

As the fire lines from Meywar generally do much damage to the protected forests of the Durbar a proposal has now been forwarded to the Meywar Durbar through the proper channel to clear the main fire line of all vegetation.

7. *Grazing.*—There was a slight increase in the number of cattle, which grazed during the year, as compared with the figures of the previous year. There was an abundant supply of grass and the right-holders are reported to have greatly availed themselves of the concession. The forests were as usual closed from 1st July to 31st October 1894.

8. *Natural and artificial reproductions.*—These are steadily improving. The Khair seedling and Tibru, Golia Dhav, Gol, Siris and Dhaman seedlings and saplings are generally in good condition. The Shisham and Babul seeds as well as Bamboo Kalams were planted in various places with satisfactory results.

9. *Yield and working.*—Both the purchasers and right-holders removed a greater quantity of timber and fuel than during 1893-94.

10. *Financial results.*—The total out-turn of the forests is much in excess of that of the previous year and shows a net surplus of about 5,730.

11. *Arboriculture at Jodhpur.*—Good progress has been made in arboricultural operations and more than 11,000 new plants were planted during the year. The percentage of failures was very trifling; but great damage was done by antelopes, rats, porcupines and pigs. The old nurseries were kept up.

12. *Staff.*—Pandit Gokal Das, the Superintendent continued to give satisfaction. The economic and efficient management of the Department redounds to his credit.

Lala Lachman Das, a Marwari youth, who was sent to Dehra Dun to attend the Forest class, secured a good position and received a diploma. On his return he was appointed Assistant Superintendent. -

P. SUKDEO PARSHAD,

for M. D., Sir PRATAP SINGH K. C. S. I., Lt. Col.:

Musahib Ala.

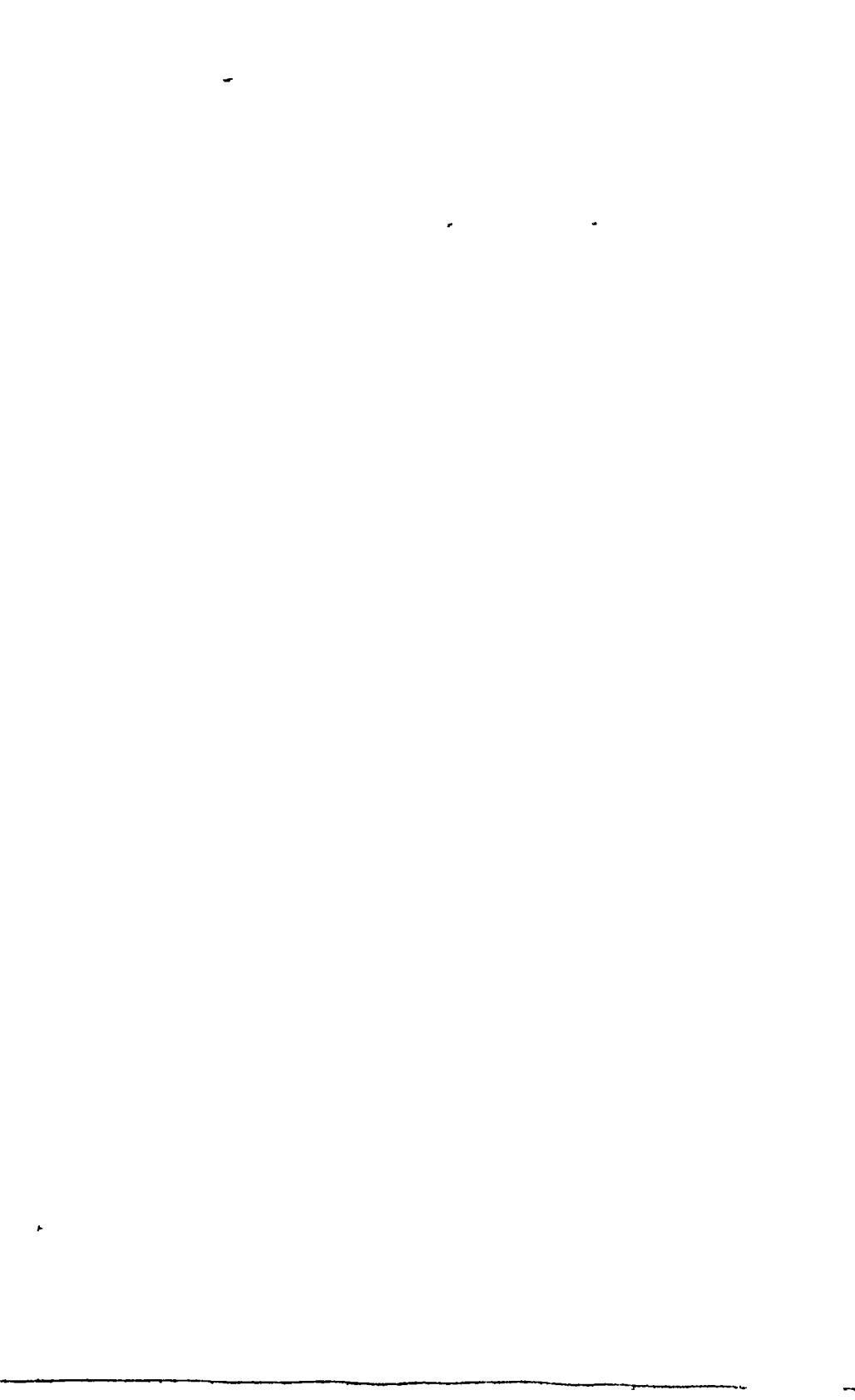
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PROGRESS REPORT  
OF  
**FOREST ADMINISTRATION**  
IN THE  
**MARWAR STATE**  
INCLUDING ARBORICULTURE  
FOR  
1894-95.

**Introduction.**

1. With the previous sanction of the Musahib Ala 16 of the important forests, covering an area of about 70 square miles, were closed to the cutting of green timber, either by traders or right holders. The right holders have not objected to this arrangement as the adjoining forests have been kept open for their use, at convenient distances.
2. As mentioned in para 3 of last year's report the list of right holders was published in the "Marwar Gazette" and copies distributed to the Hakims, Jagirdars, Hawala thanadars and village head men.
3. Rates regarding grant of Forest produce to the right holders and criminal tribes were slightly altered, mostly in favor of the cultivators. They were in the press when the year closed.

**Forest compensation.**

4. Compensation of Forests was awarded to the Nana Jagirdar during the year.
5. Kot Jagirdar, in the absence of his own accounts, has agreed to receive compensation for his forest villages according to the assessment made by the Hawala (Revenue) Department.
6. The income of the Bagri Jagir Forest villages has, just, been ascertained and the exchange, it is hoped, will, shortly, be effected.
7. Enquiries are yet going on regarding the claims of Jujawar Jagirdar and Dumbedars for the compensation.
8. The Kantalia Jagirdar, notwithstanding repeated warnings, has not yet produced correct accounts of his forest villages.

## CHAPTER I.

### *Areas and Boundaries.*

9. No addition to Khalsa forests was made during the year, but 13 square miles in Raipur and 8 square miles in Ghanerao Jagirs were brought under conservancy rules.

10. The superintendent's proposals regarding the conservation of the Jaitaran and Parbatsar pargana forests are still under the consideration of the Musahib Ala. These are forests in name only; excessive grazing by goats, has left no vegetation in them, even Euphorbia is fast dying. Of course they are not worth the compensation asked for but they are still worth something. The other alternative is that either the owners be made to observe conservancy rules in their forests, in the interests of the public generally and their own tenents in particular or the forests be managed by the Durbar on the same principle as was adopted in Ajmere. In Ajmere no compensation, I believe, was paid to the owners of the forests but they get two-thirds of the profits. They have also the right to the free use of fire-wood and grass and grazing of horned cattle with some restrictions.

11. The Superintendent inspected and reported on the Jaswantpura forests but final orders have not been yet received. These are valuable forests considering that these are the only forests which can supply wood for houses and agricultural implements to the cultivators of Juswantpura, Sanchore, Siwana and Malani, &c., parganas. The sooner they are demarcated the better.

### **Boundaries.**

12. All the pillars were white washed, numbered and entered in a Register as proposed in para. 15 of last year's report.

The Superintendent is glad to report that the Settlement Department has plotted forest boundary pillars on to the village maps in most of the villages in Sojat pargana. Work is now going on in Godhwar.

---

## CHAPTER II.

### *Surveying and Working Plans and Plan of operations.*

13. There is not much to be recorded under this chapter for reasons given in previous Reports, but Annual Plan of operations was prepared and acted upon as nearly as possible.

14. Boundary pillars of the following forests have been surveyed.

*Sojat Pargana.*—Phulad, Nimbri Khurd, Nimbri Kalan, Kantaliá, Khoria, Dadi, Gudhá Ramsingh, Gudhá Bada, Gudha Shama, Rairá and Gudhá Bijaji &c.

*Gudhwar Pargana*.—Boglan, Ghudhá Ganga, Shiryari, Dingor, Dhaná, Dhelpurá, Gudha Bhopat, Kot, Karmal and Gudha Gopi Nath.

## CHAPTER III.

### *Protection and improvement.*

#### **Establishment.**

15. At the close of the year the establishment consisted of

#### **Forest Conservancy.**

1. Superintendent.
2. Forest Rangers (Raipur Ranger included).
29. Forest guards.
1. English clerk.
1. Munshi.
2. Range Munshis.
2. Peons.
2. Khalasis.
18. Jamiat sawars (for dak).

16. One Ranger was degraded from 50 to 40 and a head guard dismissed in connection with a bribery case. One guard was dismissed for irregularity in accounts and two guards dismissed for insubordination. One guard only resigned during the year. One forest guard was killed in Bijapur forest but the cause of his death has not been found out as yet.

17. It is to be regretted that Rajput Kani Ram, Forester, who joined the Imperial Forest School in June 1894, died of fever and dysentery contracted in the Dehra Dun forests. He was an intelligent and a promising young man.

18. Srimali Rekheshwar passed the admission examination and joined the Imperial Forest School in June 1894.

19. Pancholi Lachhman Das passed the final examination at the Forest School and stood tenth, in order of merit, out of 34 successful students.

#### **General Protection and breaches of the Law.**

20. The number of cases tried by Magistrates was about the same as before. 7 cases were pending from last year, 8 were instituted during the year. Out of the total 15 cases 12 involving, 22 persons were disposed of and 3 remained pending at the close of the year. Convictions were obtained in 9 out of 12 cases.

21. The criminal tribes, with few exceptions, behaved well and the Grassias of Nana and Bhera ceased to break land for new cultivations. The Grassias, however, continue to graze goats all over the forest.

22. The following cases were compounded Departmentally :—

RANGE.	CASES COMPOUNDED.			AVERAGE PER CASE.			AVERAGE PER PERSON		REMARKS
	No. of cases.	No. of persons.	Amount	Rs.	A.	P.	Rs.	A. P.	
Godhwar	... 84	239	356 6 6	4	3	10	1	1 2	
Sojat	... 47	67	112 13 0	2	6	4	1	10 11	
Total 1894-95	... 131	306	469 3 6	3	9	4	1	3 4	
1893-94	... 130	292	743 5 9	5	11	6	2	8 6	

23. The statement below shows number of cattle impounded in comparison with those of the previous year :—

RANGE.	DESCRIPTION OF CATTLE.				Total.	REMARKS.
	Cows.	Buffaloes.	Sheep and goats.	Others		
Godhwar	... 230	103	1,736	17	2,136	
Sojat	... 213	61	695	69	1,038	
Total 1894-95	... 493	164	2,481	86	3,174	
1893-94	... 828	142	1,376	79	2,425	

### Forest fires.

24. The area attempted in 1894-95 was the same as in 1893-94 i. e., 174,720 acres. There were 10 fire occurrences covering an area of 349 acres against 8 occurrences, over 1,124 acres in 1893-94. The expenditure under this head was Rs. 323 against Rs. 231 in 1893-94.

25. In Bijapur, Sewari, Sadhri and Desuri forests, fires came from Meywar and burnt 183 acres.

26. 166 acres of forest were burnt in Karwárá and Bagorá by negligence on the part of the Forest guards of the Ajmere Forest Department who began to burn the fire line without informing the Marwar Forest guards of the place.

27. The main fire line, between Meywar and Marwar and Merwárá and Marwar, and several intermediate fire lines were cut and burnt by right holders.

28. The Superintendent's proposal to cut all trees, shrubs &c., out of the main fire line between Meywar and Marwár has been approved of by the Musahib Alá and the work will be taken in hand as soon as the Meywar Darbar's views, in sharing half the expenditure, are known. This step will greatly facilitate the annual cutting and burning of the fire line; and the fire line itself will be more effective, as a means of isolation of the forests, than has, hitherto, been the case.

29. It is to be regretted that Meywar forest officers do not cooperate in the matter of fires. The Godhwar Range officer complains that he issued notices to them regarding dates of burning fire lines but they did not come out. The Marwar right holders had to cut the line on both sides.

30. No fires occurred in Raipur Jagir forests but it is to be regretted that nearly 5 square miles of Ghaneiaojagir forest were burnt by a fire which came from Meywar forests. Sufficient care was not taken by the Ghanerao forester to watch the advance of the fire and he could not manage to put it out; great delay occurred before the men went up to extinguish it.

### Grazing and Grass.

31. The whole of 1,74,720 acres were closed to sheep, goats and camels throughout the year. Of course the goats belonging to Grassias continued to graze in about 10,000 acres of Nana and Behra forests. An attempt was made to set aside *guzara* for their sheep and goats but the Grassias did not agree to this and the matter had to be postponed (for the present at any rate) on account of political reasons.

32. All the forests were closed to the grazing of horned cattle also from 1st July 1894 to 31st October 1894 and the number of cattle allowed to graze during the remaining months of the year stands as below, compared with the previous year:—

Range.	CATTLE.				REMARKS.
	Right holders.	Out siders.	Free.	Total.	
Godhwar ... ...	17,833	64	.....	17,897	
Sojat ... ...	3,418	29	.....	3,447	
Total 1894-95 ...	21,251	93	.....	21,344	
,, 1893-94 ...	18,288	3	889	19,180	

33. There was an abundant supply of grass in the forests and the right holders did, wisely, much avail of the concession and cut and stack much more grass than they did in former years.

### Natural Reproduction.

34. There is not a single khair (a catechu) seedling in Thandiberi, Bhimana and other Grassia villages where grazing of goats has not been yet stopped. In other forests both in Godhwar and Sojat Ranges seedlings of this species are making excellent progress notwithstanding grazing of horned cattle.

35. Both seedlings and saplings of Tibru (Ebony), Golia Dhau (Anogeissus latifolia), Got (Odim woodier), Siris, and Dhaman are in good condition.

36. Reproduction of Dhau, (Anogeissus pendula) the predominating species of the Marwar forests, is all that can be desired. Grass does not grow under Dhau trees, therefore cattle have no need to reach the seedlings (which generally grow under the parent trees) and hence they are saved. It is a very hardy species and unless kept down by goats and camels (which are not allowed to graze) reproduces very well both from seed and coppice.

37. As produce could not be disposed of locally no more area was coppiced during the year. The coppice shoots in Saran, specially fenced against grazing, measure as follows :—

Age 3 years.	Height.					
	1893-94.		1894-95.		Girth.	
	H.	H.			Girth.	
Dhau (a pendula)	... 4' 6"		5' 9"		2½	inches.
Khair	... 7 3		9 6		5	„
Kolai	... 8 0		9 3		2½	„
Bor	... 9 3		10 9		5½	„
Kumtia (acacia Rupestris)	... 5 6		6 9		5	„

### Artificial reproduction.

38. Shisham and Babul seeds were sown, broad cast, in Sewari, Rajpura, Somesar and Ganthi forests. With the exception of Sewari sowings others are in good condition.

39. 6,515 bamboo rhizoms were planted along streams in Godhwar Range at a cost of Rs 23. About one third of these are sure to survive the hot weather.

40. Babul and Mohua seeds were sown in 9 acres of Gudha Dhamaotan, Jujawer and Shiryari forests ; most of the seedlings died away but the results are still very encouraging, considering that no water is available after the rainy season.

41. 2,720 bamboo kalams were planted in Sojat Rangé. 633 are in a very thriving condition, the rest were eaten by white ants. Bamboo kalams of previous years have well established themselves.

Out of 200 shisham plants transplanted in Gudha Dhimaotan 160 have survived. They are occasionally watered.

### Roads and Buildings.

42. Rupees 233/- were spent on the construction and repairs of roads against Rs 83/- in 1893-94.

43. A new cart track 13 miles long was made in Behra forest at a cost of Rs 106/- and another in Saran forest 3 miles and 400 ft. long at a cost of Rs 119.

44. Buildings have also received due attention. Rs 263/- were spent on them against Rs 40/- in previous year.

45. Forest guard's chaukis were built at Bijapur, Desuri, Phulad, Kot, Jujawar and Jinjari, and it is hoped that within another year or two every guard will have a house to live in.

46. The Forest Ranger's quarters at Sewari, Saran and Sadhri were repaired.

## CHAPTER IV.

### *Yield and Working.*

#### 47. Fuel and Timber:—

DESCRIPTION.	TIMBER.		FUEL.		REMARKS.
	1893-94.	1894-95.	1893-94.	1894-95.	
Removed by Raj Agency	1,893	1,313	15,100	15,600	
,, , Purchasers	40,966	80,802	1,69,012	1,99,264	
Free grants	...	391	.....	.....	
Right-holders	...	16,610	17,017	2,98,923	3,34,649
Total ...	59,860	98,632	4,74,035	5,49,513	

48. The purchasers removed much more timber than in previous year. The reason is that the year under report was favorable for agriculture and hence there was great demand for wood for house building.

## 49. Minor Produce:—

DESCRIPTION.	VALUE.		REMARKS.
	1893-94.	1894-95.	
Removed by Raj Agency...	...	22	897
,,    ,, Purchasers ...	...	1,120	1,432
Free grants ...	...	1,151	.....
Right-holders	...	7,735	10,258
Total ...	10,028	12,587	

**I Departmental operations.****(a) Timber.**

50. In order to meet the demands of the Jodhpur Kura-hkhānā &c, 5,860 Dhau dandis 62 Babul planks, and 120 scantlings of babul, &c., were cut and sent to Jodhpur Depot.

51. The Sálar (*Boswellia thurifera*) planks did not sell well and hence sawing was stopped. The planks are soon attacked by insects and become useless.

**(b) Fuel.**

52. 3,066 maunds of dry firewood and 756 maunds of charcoal from Godhwar forests were sent to Jodhpur Depot to meet the Trevor fair demands. Repeated experiments have shown that firewood does not pay, but the small quantity at the Jodhpur depot serves as a check on the local wood sellers. Charcoal of course does pay, but there is great demand for khair charcoal only and which shall not be forth coming for a longer period than 2 or three years as the cutting of green wood has been prohibited.

**(c) Bamboos.**

53. 1,000 Bamboos were also sent to Jodhpur Depot but they were mostly used for arboriculture work.

**(d) Minor produce.**

54. 108 maunds and 28 seers of tamarind fruit were collected in Juju-war forest and sent to Jodhpur, but the fruit did not sell well.

55. 1,140 maunds of grass from Joban and 1,430 maunds from Shir-yari and Gudha forests were cut and collected on the spot in anticipation of scarcity of fodder.

56. 841 mounds of grass were obtained from right-holders of B and C. class villages.

57. 2 mounds of Mohya grass was also sent to Jodhpur Depot.

## II. Removal of produce by purchasers.

### (a) Timber.

58. 80,829 cft of timber in log and scantling were removed by purchasers against 41,903 cft. in 1893-94.

### (b) Fuel.

59. 1,98,816 cft of dry firewood and 1.2 mounds of charcoal were removed against 1,41,76 cft. of firewood and 1,130 mounds of charcoal in 1893-94.

### (c) Bamboos.

60. 35,331 bamboos were sold from Bijipur, Sewari, Sadhri, Desuri, Vagol and Kanta. It forests against 20,092 in 1893-94.

### (d) Grass and grazing.

61. Rupees 41/- were realized by sale of grass and Rs 33/- as grazing revenue against Rs 25/- and Re. 1/- respectively in 1893-94.

## 62. (c) Timber Produce.

Description.	VALUE.		Remarks
	1893-94.	1894-95.	
Palm (Ziziphus leaves)	...	2	2
Mohya grass ...	...	213	135
Khatri (dhrik leaves)	...	.....	24
Honey and wax	...	213	212
Mango fruits ...	...	4	3
Mohua (flowers)	...	11	4
Indigo shrubs ...	...	.....	12
Anwali bark ...	...	69	5
Miscellaneous ...	...	97	164
Total	...	639	565

\* Credit was not given to the Department as the bark was removed by State officials.

## III.—Free grants and removal by right-holders.

63. No free grants were made during the year.

64. The right-holders removed Forest produce as follows :—

(a) **Timber.**

65	A. class, free of charge	...	...	3,370 cft.
	B. and C. classes, at reduced rates	...	...	<u>13,663</u> "
			Total	<u>17,033</u> cft.

(b) **Firewood.**

66	B. class, free of charge	...	...	3,09,973 cft.
	C. class, at reduced rates	...	...	<u>21,676</u> "
			Total	<u>3,34,649</u> cft

(c) **Bamboos.**

67.	A. class, free of charge	...	...	.....
	B. and C. classes, reduced rates	...	...	<u>500</u>
			Total	<u>500</u>

(d) **Grass and grazing.****GRASS.**

68	A and B classes, free of charge	...	...	43,814 mds.
	C class, at reduced rates	...	...	<u>9,594</u> "
			Total	<u>53,408</u>

**GRAZING.**

69.	A. class, free of charge	...	...	11,371 Heads of cattle.
	B. and C. classes, at reduced rates	...	...	<u>9,870</u> do.
			Total	<u>21,241</u>

**CHAPTER V.***Financial Results.*

70. The following table shows financial results of the year compared with those of the last 5 years :—

Particulars.	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.	1894-95.	REMARKS.
Receipts ...	5,309	20,918	30,754	9,691	16,372	21,764	
Charges ...	7,653	10,692	15,975	11,223	12,338	10,184	
Deficit ...	2,254	.....	.....	1,532	.....	.....	
Surplus ...	.....	10,296	14,779	.....	4,034	5,730	

**Receipts.**

71. Increase in revenue is chiefly due to sale of timber both from Forests and the Jodhpur Depot and the cause has already been explained in para. 48 of this report.

**72. Expenditure.**

Particulars.	1893-94.	1894-95.	REMARKS.
A.—Conservancy and works...	2,224	7,132	× 4,903
B.—Establishment        ...	10,114	11,902	× 1,788

73. The receipts and charges of the past two years compare as follows, under the 3 main heads:—

Year.	Timber and other departmental operations.		Other revenue.		Formation, improvement and extension of Forests.	Total.		REMARKS.
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.	
1893-94	1,261	1,477	15,111	10,525	336	16,372	12,338	
1894-95	3,393	2,611	21,371	12,669	3,754	24,761	19,031	

74. It must also be noted that Rs. 11,132 worth of produce was given to right-holders free of charge.

75. According to Departmental accounts the expenditure is Rs. 14,424 which exceeds that of the previous year by Rs. 2,086 only and is chiefly due to departmental operations for the extracting of timber and fuel, &c., but Rs. 3,350 (charged to A. conservancy) as Forest compensation and Rs. 1,260 (charged to B. establishment) as cost of training of students at the Forest school, disbursed direct by Mahakama Khas, have, for the first time, been taken into account.

76. The financial results of Raipur and Ghanerao Jagir forests stand as follows:—

**Raipur.**

Revenue	...	...	Rs.	2,597
Expenditure	...	...	"	1,293
Surplus	Rs.	1,304		

## Ghanerao.

Revenue	...	...	Rs.	608
Expenditure	...	...	"	210
		Surplus Rs.		<u>368</u>

## CHAPTER VI.

*Arboriculture at Jodhpur.*

77. The management of the Residency gardens was made over to the Forest Department from 1st February 1895.

78. The area of plantations at the commencement of the year was 107 acres and the number of plants 15,411 and during the year under report there was an increase of 4 $\frac{1}{4}$  acres to plantations with 11,372 plants in them and the roads.

79. The species planted during the year consisted of.

Shisham	...	...	4,548
N. n	...	...	3,139
Siris	...	...	489
Badias	...	...	267
Jaman	...	...	972
Am	...	...	1,234
Gulais	...	...	270
Miscellaneous	...	...	53
		Total	<u>11,372</u>

and their distribution stood as follows :—

Plantation	...	No.	IV	14
do.	do.	VI		66
do.	do.	VII		28
Jalori gate road	...	...		718
Ratanadai road	...	...		720
Residency chakar	...	...		605
do Banglow	...	...		386
Doctor Adams' Bungalow	...	...		70
Maharaj Kanwar's Banglow road	...	...		640
Chand-mari road	...	...		1,166
Chhitar	...	...		937
Sirdar Rasalai	...	...		605
Race course plantation	...	...		50
Mertia gate road	...	...		92

Raika-Bag road	...	...	267
Mandor Road	...	...	545
Trevor fair site	...	...	1,177
Balsamand plantation	No. I	...	465
do. do.	II	...	1,785
Bada Bhakar	...	...	889
Miscellaneous	...	...	117
		Total	<u>11,372</u>

80. The percentage of failures was very trifling but the damage done by antelope rats, porcupines and pigs was very great and the empty pits had to be refilled in March of the year.

81. 5,188 plants were sold from the nurseries for Rs. 276. All the old nurseries were kept and resown with mango, Jaman, Nim, Shisham, &c., seeds.

82. Mangoes, Jaman and Badla plants are in thriving condition both at Balsamand and Bada Bhakar and the bamboos at Balsamand planted last year are making wonderful progress.

83. Tun is still struggling hard and it is not certain whether it shall stand the excessive heat of the hot weather, as several plants have already died.

84. Tun, Sagwán and Sandal wood seeds were again tried but did not germinate at all.

85. The bed of the Bada Bhakar Bandá has been repaired and it is hoped water will not soak down again if it is filled up at all. At present water is brought on camels from Bijolai at a distance of one mile and this is a very costly business.

86. As desired by the Musahib Alá no more Pálá Golrás were made at Bada Bhakar, for the protection of the plants, but experience has shown that the unprotected plants are liable to be damaged by pigs, deer and porcupines. Thorns have however been put around them and a special watcher appointed to frighten away the wild animals.

The same remark applies to the Chhitar hill plants.

87. 4,982 kachú and 104 paká golrás were made for the protection of road side plants and 225,009 cft. of ditch was made round plantations and the Trevor fair site.

88. One more well at Balsamand was repaired and used for watering mango plants. The well in Maharaj Kanwar's Bunglow was also made over to this Department for working purposes.

89. Fences of plantations No. I, II and IV were removed by order of the Musahib Alá as they gave asylum to the pigs who wounded people in

the town. These plantations were a source of income, as they annually produced about 1,000 maunds of grass which is very valuable here.

### Financial.

90. About 1,300 Rs. worth of grass was obtained from the plantations and stored for Raj bullocks working on Forest wells.

Rs. 242 were realized by sale of fruit, plants, &c., from the plantations.

91. Expenditure compares as follows with that of the previous year:—

		1893-94	1894-95
Protective establishment	... Rs.	426	907
Office establishment	... ,	...	226
Temporary do.	... ,	356	155
Watering	... ,	5,005	7,382
Malis	... ,	1,248	2,468
Working of wells	... ,	...	701
Feed and keep of bullocks	... ,	970	1,150
Nurseries and planting	... ,	682	1,597
Fencing	... ,	1,166	1,644
Tools	... ,	31	43
Bada Bhakar	... ,	1,294	928
Chhitar	... ,	224	471
Miscellaneous	... ,	962	1,266
Total	Rs.	<u>12,314</u>	<u>18,938</u>

92. The following forms accompany the report:—

Form	... No.	49
”	... ,	50
”	... ,	51
”	... ,	52
”	... ,	54
”	... ,	55
”	... ,	56
”	... ,	58
”	... ,	59
”	... ,	60
”	... ,	61
”	... ,	62

## ANNUAL FORM NO. 49.

Forest Department, Marwar State. *Area of the Forest 1894-95.*

State.	Range.	Area on 1st April 1894.		Added during the year.	Excluded or transferred to other heads.	Area on 1st April 1895.		Number and date of Kafiyat of addition and transfers.	REMARKS.
		Areas.	Equivalent in square miles.			Areas.	Equivalent in square miles.		
Godhwar	...	133,120	208	.....	.....	133,120	208		
Sojnt	...	41,600	63	.....	.....	11,600	65		
Marwar	Total	174,720	273	.....	.....	174,720	273		
	Raipur	...	.....	.....	13	.....	8,320	13	
	Ghanerao	...	.....	.....	8	.....	5,120	8	
	Grand Total	...	174,720	273	21	.....	188,160	291	

## ANNUAL FORM NO. 50.

Forest Department, Mysore State. Report of Breaches of Forest Rules during 1894-95.

Forest range and civil Pergana.		NEW CASES OF THE YEAR.		DISPOSED OF DURING THE YEAR.		REMARKS.	
				Convic-tions.	Acourt-ments.	Total.	Cases.
A.—CASES TRIED BY HAKKINS.—							
Godhwar	..	..	1	1	6	9	3
Sojat	..	..	1	2	3	3	0
Total	..	..	7	2	6	15	3
B.—CASES COMPOUNDED BY FOREST OFFICIALS.—							
Godhwar	..	..	1	51	16	84	84
Sojat	..	..	4	36	5	47	47
Total	..	..	0	87	21	131	131
GRAND TOTAL	..	..	7	93	21	139	146
Rajpur	..	..	..	50	7	69	60
Ghantiro	..	..	..	..	..	..	..
GREAT GRAND TOTAL	..	..	7	143	21	195	206

## ANNUAL FORM NO. 51.

Forest Department, Marwar State. Area of Forest tract's protected from fire during the dry season 1895 to accompany Report for 1894-95.

Range.	Forest tracts.	During dry season 1895.				Cost during the season.	REMARKS.
		Area net tally pro- tected up to June 1895.	Area net tally pro- tected up to June 1895.	Areas impeded to be protected	Bailiffs protected		
Godhwar	Sevri Block	1891	113,441	113,441	110	113,490	.....
...	Desuri	...	19,520	19,520	73	19,417	164
Sojat	Kantalin	...	40,635	41,600	166	41,454	159
	Total	...	173,596	174,720	349	174,371	323
Rajpur	...	1894	8,320	8,320	.....	8,320	.....
Ghanerao	...	1894	5,120	5,120	3,200	4,920	40
	Grand Total	...	187,036	188,160	3,549	184,611	363

**ANNUAL FORM NO. 52.**

*Forest Department, Marwar State. Area of plantation.*

( 18 )

Range.	Name of plantation.	AREA ACRES.			RECEIPT Of the year.	CHARGES Of the year.	REMARKS.
		On 1st April 1894.	Added during the year.	Excluded during the year.			
Godhwar	... Sadhri ...	2	...	...	2	...	8
Sojat	... Kajulwa and Dharelsur	1			1		1
Jodhpore	... Plantation at Jodhpore and Balsamand	107	48	...	155	243	16,938
	Total ...	110	48	...	158	213	16,917

**ANNUAL FORM NO. 54.**

**Forest Department, Mysore State.** Outturn (in cubic feet solid) of timber and fuel during the year 1894-95 and *Rai Agency of exploitation.*

**ANNUAL FORM NO. 55.**

**Forest Department, Marwar State. *Return of Minor produce during the year 1894-95.***

ANNUAL FORM NO. 55.—Continued.

Forest Department, Marwar State. Outturn of minor produce during year 1894-95.

( 21 )

Range.	Description of produce.	PRODUCE REMOVED OR UTILIZED.						REMARKS.
		RAJ AGENCY.	Purchasers.	FREIGHT GRANTS.	RIGHT OWNERS.	TOTALLY.	Value.	
		Quantity	Value.	Quantity	Value.	Quantity	Value.	
Sojat ...	Brought forward	2,531	463	34,570	1,224	30,517	7,242	67,648
	Bamboos	50	1	2,798	62	...	...	8,929
	Grass (Mounds)	1,485	433	...	...	...	...	63
	Do. (Head loads)	...	...	14	4	...	...	433
	Stone (carts)	...	...	...	43	...	...	2,075
	Goat skin contract	...	...	...	1	...	...	4
	Muri grass	...	...	...	3	...	...	43
	Mango fruits	...	...	...	1	...	...	1
	Indigo shrubs (Head load)	...	...	30	3	...	...	3
	Pala (carts)	...	...	3	2	...	...	3
	Dhak leaves (Head loads)	...	...	887	28	...	...	28
Honey and wax	...	...	...	...	54	...	...	54
	Grazing cattles	...	...	29	8	...	3,418	949
	Total ...	4,066	897	38,331	1,432	...	1,01,194	12,587
							10,258	1,43,591

ANNUAL FORM NO. 56.

*Forest Department, Marmar State. Account of Timber and other produce cut or collected by Ruy Agency and brought to state Depot or sold locally during the year 1894-95.*

( 22 )

Godhwar range.	Dandas Dhow	3,230	2,727
	Babni planks	57	22
	Chokhats	9	...
	Mials	1	...
	Kanies	28	545
	Bullies	13	2
	Thikries	5	913
	Lahts	4	34
	Ins	60	12
			1,594
Sojat range.	Dandas Dhow	2,630	7,443
	Kanries gangan	75	...
			7,443
Jodhpore Sub-range.	Dandas	2,705	...
	Ber lahts	112	Used by the Department.
	Ins	428	Godhwar range.
	Uplas	100	Salai planks
	Dandas	1,433	Chokhats
			Kanies
			Bullies
			Mial
Received by confiscation.		8,190	...
			Struck off on account of being damaged or lost.
			Godhwar range.
	Dandas Dhaman	40	Badla paits
	Dandas Dhow	6	Jodhpore Dandas ...
	Kamri Adra	1	
	Palas roots	1	
Total true receipts	Total	48	62
			142
Total true disposals			7,647

ANNUAL FORM NO. 56.—Continued

*Forest Department, Marcar State. Account of Timber and other produce cut or collected by Ray Agency and brought to sale Depots or sold locally during the year 1891-92.*

		Jodhpore Sub-range.		502
		Phankas	...	
		Kanies	...	7
		Ber lahts	...	110
		Ins	...	417
		Uplas	...	88
		Dunda,	...	1,215
		Total Balance	...	2,369
		Grand Total	...	2,387
				10,100
FIRE WOOD		DISPOSAL—		
		I. TRUE DISPOSAL.		
		I. TRUE DISPOSAL.		
		Removed by purchasers from Depot		
		Jodhpore sub-range		
		...		
		Total		
		1,552		
		...		
		Total locally Sojat range		
		...		
		48		
		...		
		Lost by remeasurement.		
		Jodhpore sub-range		
		...		
		34		
		...		
		Total		
		48		
		...		
		Total Godlivar		
		...		
		18		
		...		
		52		
		...		
		Total		
		52		
		...		
		1,652		
		...		
RECEIPTS—		II. CROSS DISPOSAL.		
		...		
I.—TRUE RECEIPTS.		...		
Received from the Forests.		...		
Godlwar range		3,066		
Sojat range		88		
Jodhpore sub-range		15		
		...		
		Total		
		3,169		
		...		
Total true receipts		Total		
		3,169		
		...		
II.—CROSS RECEIPTS.		Total true Disposal		
Transferred to other Depot		...		
Jodhpore sub-range		3,018		

ANNUAL FORM NO. 56.—Continued.

*Forest Department, Marwar State. Account of Timber and other produce cut or collected by Ray Joney and brought to sale Depots or sold locally during the year 1894-95*

Particulars.	Total or each Head.		Particulars.	Total or each Head.	
	No. or quantity.	Cubic feet.		No. or quantity.	Cubic feet.
Total ...	3,018		Transferred to other Depots, Gulhwar range ...	3,018	
Total gross receipts ...	3,018		Total ...	3,018	
Total receipts ...	6,217		Total etc., disposed ...	3,018	
Grand Total ...	6,324		<i>Balance at close of the year.</i>		
			Sajit range ...	10	
			Jodhpore sub-range	1,652	1,692
			Total ...		1,692
			Grand Total ...		6,324



**ANNUAL FORM NO. 56.—Continued.**

*Forest Department, Marwar State. Account of Timber and other produce cut or collected by Raj Agency and brought to sale Depots or sold locally during the year 1894-95.*

( 28 )

Particulars.	No. or Cubic feet.	TOTAL OF EACH HEAD.		Particulars.	No. or Cubic feet.	No. or Cubic feet.	TOTAL OF EACH HEAD.
		No. or quant- ity.	Cubic feet.				
Godhwar range	...	1,000	1,000	Lost by remeasurement. Godhwar range	...	26	26
Total true receipts	...		1,000		...		500
II. Cross movements.				III. Gross disposal			
Transferred to other Depots.				Total true disposal			
Jodhpore Sub-range	...	1,000	1,000	Transferred to other Depots.			
Total cross receipts	...		1,000	Godhwar range	...	1,000	1,000
Total receipts	...		2,000	Total	...		1,000
				Total cross disposal	...		1,000
				Total disposal	...		1,500
				<i>Balance at close of the year.</i>			500
				Jodhpore sub-range	...	500	
				Total Balance	...		500
				Grand Total	...		2,000

## MINOR PRODUCE.

Balance at commencement of the year.

Sojat range Pula grass ... 31.5

RECEIPTS—  
Received from the Forests.

Godhwar range Mohya grass ... 2

Grass ... 1,110

Sojat range Grass... 1,430

Grass collected by pula system.

Godhwar range ... 387

Sojat range ... 455

## DISPOSAL—

I. TRUCK DISPOSAL.

Sold locally ...

Jodhpore Sub-range Mohya ... 9

Godhwar range grass ... 27

Sojat range grass ... 178

Used by the Department

Struck off on account of being damaged ...

Total disposal ...

Balance at close of the year.

Godhwar range ... 1,329

Sojat range ... 1,615

Total Balance ...

Grand Total ...

2,974

3,729

## DISPOSAL—

I. TRUCK DISPOSAL.

Sold locally ...

Jodhpore Sub-range Mohya ... 9

Godhwar range grass ... 27

Sojat range grass ... 178

Used by the Department

Struck off on account of being damaged ...

Total disposal ...

Balance at close of the year.

Godhwar range ... 1,329

Sojat range ... 1,615

Total Balance ...

Grand Total ...

2,974

3,729

Total receipts ... 3,414

Grand Total ... 3,729

Total Balance ... 2,974

Grand Total ... 3,729

...

...

## ANNUAL FORM NO. 53.

## Forest Department, Marwar State. Summary of Revenue of Marwar Forest during 1894-95.

Budget Heads.	Godhwar range.	Sotar range.	Jodhpore sub-range.	Total.	REMARKS.
I. Timber and other produce removed from the Forests by Raj Agency	1,105	4	3	378	6 6
(a) Timber	...	...	...	...	1,483
(b) Firewood and charcoal	...	...	...	...	1,328
(c) Bamboos	...	...	...	...	38
(d) Grass and other Minor produce	...	...	...	...	14 9
II. Timber and other produce removed from the Forests by purchasers or consumers.	1,535	4	3	3	0
(a) Timber	...	...	...	...	1,033
(b) Firewood and charcoal	...	...	...	...	1,126
(c) Bamboos...	...	...	...	...	708
(d) Grazing and fodder grass	...	...	...	...	2,475
(e) Other Minor produce	...	...	...	...	0 0
III. Confiscated drift and washwood.	...	...	...	...	0 0
IV. Revenue from Forests not managed by Raj.	...	...	...	...	0 0
(a) Duty on foreign timber and other Forest produce	...	...	...	...	0 0
(b) Revenue from shared and private Forests	...	...	...	...	0 0
V. Miscellaneous.	...	...	...	...	0 0
(a) Fines and forfeitures	...	...	...	...	74 13 0
(b) Refunds...	...	...	...	...	0 0
(c) Other sources	...	...	...	...	0 0
Total	18,816	3	3	5,947	2 9
Arboriculture	...	...	...	...	23,763
Grand Total	...	...	...	...	243 1 8
Kaupur	...	...	...	...	25,000
Gherao	...	...	...	...	2,567
Great Grand Total	...	...	...	...	0 0
				498	0 0
				28,211	710

**Forest Department, Marwar State.** *Summary of expenditure of different ranges of Marwar Forests during 1894-95.*

**ANNUAL FORM NO. 58.—(Continued)**

*Forest Department, Marwar State. Summary of Expenditure of different ranges of Marwar Forests during 1894-95.*

BUDGET HEADS.		Direction.	Godhvar range.	Sohit range.	Jodhpore sub-range.	Total.	Remark
<b>B.—Establishment</b>							
<i>I.—Salaries—</i>							
(a) Superior establishment	2,100	0	.....	.....	.....	2,100	0 0
(b) Executive establishment	...	0	712	10 8	565	0	1,277 10 8
(c) Protective establishment	...	0	1,285	11 4	1,076	810	2,362 1 2
(d) Office establishment	1,224	0	155	0	120	0	1,499 0 0
(e) Pensionary contribution	90	0	.....	.....	.....	90	0 0
<i>II.—Travelling allowances—</i>							
(a) Superior establishment	1,135	14 0	.....	.....	.....	1,135	14 0
(b) Executive establishment	...	0	237	10 4	198	10 1	456 4 8
(c) Protective establishment	...	0	33	13 10	3	11 1	37 811
(d) Office establishment	131	4 2	7	8 0	1	3 1	163 1 6
(e) Keep and feed of conveyance supplied by R. J.	300	0	.....	.....	.....	300	0 0
<i>III.—Contingencies—</i>							
(a) Stationery	90	8 0	7	5 6	6	0 9	43 14 3
(b) Carrage of tent and records	10	13 0	8	9 0	1	12 0	51 6
(c) Dents rates and taxes	103	3 0	3	5 0	3	15 0	110 7 6
(d) Official posting	69	13 6	13	9 0	13	8 0	86 14 0
(e) Sundries	510	13 6	59	5 2	33	9 1	624 12 0
Total of B. Establishment	6,079	6 8	2,635	710	2,027	1 8	10,612 0 2
Total of expenditure A. Conservancy	24	12 0	2,733	8 6	964	6 1	3,782 11 1
Arboriculture	...	...	.....	.....	.....	18,938	7 6 18,938 7 6
Total Departmental expenditure	6,103	3 2	2,993	7 4	2,991	7 9	18,938 7 6 33,363 2 9
Amount spent by Mahakar Khas on Forest compensation and training of Student at Forest school	2,329	4	.....	.....	.....	.....	1,610 0 0
Total Raj Departmental	...	...	...	...	...	...	37,973 2 9
Rajpur	...	...	...	...	...	...	1,293 0 0
Ghanerao	...	...	...	...	...	...	210 0 0
Grand Total	...	...	...	...	...	...	35,506 2 9

**ANNUAL FORM NO. 59.**

*Forest Department, Marwar State. Account current for the year 1894-95.*

		Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	Rs.	a. p.	
Cash balance	...	.....		119	15	9						
Revenue as per annual summary form No. 58.	...	.....										
Forest Conservancy	...	24,763	6	2	.....							
Arboriculture	...	243	1	8	25,006	7	10	Forest Conservancy	...	14,424	11	3
FOREST CASH REMITTANCES LOCAL.	...	.....						Forest Conservancy	...	18,938	7	6
Cheques drawn	...	.....						Arboriculture	...	25,006	7	10
Cash recovery of excess charges	...	.....						FOREST CASH REMITTANCES LOCAL.	...	33,363	2	9
Sale of rejected live stock	...	.....						Remittances to treasury	...	25,006	7	10
Inter divisional transfer Raipur	...	.....						Training students at forest school	...	160	0	0
Advances recoverable ...	...	.....						Amount struck off as being irre- coverable	...	107	3	5
Exchanges of coin Kaldar with Bije- shali	...	...						Advances recoverable...	...	26,865	14	3
Total	...	.....						Balance	...	150	0	0
										351	13	6
										86,004	9	9

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ANNUAL FORM NO. 60.

*Forest Department, Marwar State. Revenue received and outstanding on account of Revenue during 1894-95.*

ANNUAL FORM NO. 61.

**Forest Department, Marwar State.** *Outstanding and liabilities on account of contractors and disbursers for 1894-95.*

RANGE.	DEPARTMENT DEBTS.		DEPARTMENT CREDITORS.		BALANCE DUE.		Remarks.
	At commencement of year.	Recoveries in cash and value of supplies and works done during the year.	At commencement of the year.	Payments made during the year.	At close of year.	To department (outstanding).	
Head office, ...	... ...	6,463 11 3	6,463 11 3	149 15 9	6,965 9 9	6,815 6 9	351 13 6 ...
okal Chand F. ranger	... ...	3,824 0 11	3,824 0 11	31 9 4	3,792 7 7	3,824 0 11	... ... ...
ngun Nath Forest ranger	... ...	3,061 14 5	3,001 14 5	59 13 8	3,003 0 0	3,094 13 8	32 15 3 ...
utan Chand Forester	... ...	19,960 8 0	19,960 8 0	85 3 5	19,893 6 6	19,978 10 1	18 2 1 ...
ani Ram Forester	... ...	99 3 7	90 3 7	15 3 7	75 0 0	90 3 7	... ... ...
nkhansur apprentice	... ...	50 0 0	50 0 0	... ...	50 0 0	50 0 0	... ... ...
ani Ram	... ...	50 0 0	50 0 0	... ...	50 0 0	50 0 0	... ... ...
up Narayan	... ...	130 0 0	130 0 0	130 0 0	... ...	130 0 0	... ... ...
Total	... ...	33,630 0 2	33,630 0 2	501 13 9	33,531 7 3	34,033 5 0	402 14 0 ...

**ANNUAL FORM NO. 62.**

*Forest Department, Marwar State. Financial results of the year 1894-95.*

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RANGE.	TIMBER AND OTHER PRODUCT REMOVED FROM THE FORESTS BY RAJ AGENCY.		OTHER REVENUE.		Formation pro- tection and im- prove- ments of Forests.		TOTAL.		REMARKS.
	Receipts.	Charges.	Receipts.	Charges.	Receipts.	Charges.	Receipts.	Charges.	
Godhwar Range	...	2,982	2,275	15,834	2,862	192	18,817	5,329	
Sojat Range	...	...	411	336	5,536	2,450	205	5,917	2,901
Total	...	3,393	2,611	21,370	5,312	397	24,764	8,320	
Direction	...	.....	.....	.....	6,097	7	.....	6,104	
Mahkama Khas	...	.....	.....	.....	4,610	.....	.....	4,610	
Grand Total	...	3,393	2,611	21,370	16,019	401	24,764	19,034	
Raipur	...	.....	.....	.....	.....	.....	2,597	1,293	
Ghanerao	...	.....	.....	.....	.....	.....	608	240	
Great Grand Total	...	.....	.....	.....	.....	.....	27,969	20,567	

